

**Training Cum RSO Certification Course on “Radiation Safety Aspects of Nucleonic Gauges”**  
**Venue: Littlewood Block, Jhajjar Power Limited (A CLP Company), Village Khanpur, Haryana**

**November 07-12, 2016**

Organized by

**School of Radiological Safety Studies (SRSS)**  
**Global Centre for Nuclear Energy Partnership (GCNEP)**

Conducted by

**Radiological Physics & Advisory Division, Health, Safety & Environment Group**  
**Bhabha Atomic Research Centre**

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**SRSS, GCNEP**

Date/Time	10:00 - 11:00 hrs	11:30 - 12:30 hrs	12:30 - 13:30 hrs	14:30 - 15:30 hrs	15:45 - 16:45 hrs
07/11/2016 <b>Monday</b>	<b>Inaugural Function</b>	Basic Radiation Physics	Interaction of Radiation with Matter	Radiation Quantities & Units	Principles of Radiation Detectors <b>(1)</b>
08/11/2016 <b>Tuesday</b>	Operational Radiation Exposure Limits	Biological Effects of Ionizing Radiation	Principles of Radiation Detectors <b>(2)</b>	Radiation Monitoring Instruments & Measurements	Radiation Hazard Evaluation & Control <b>(1)</b>
09/11/2016 <b>Wednesday</b>	Radiation Hazard Evaluation & Control <b>(2)</b>	Radiation Hazard Evaluation & Control <b>(3)</b>	Procedure of Transportation of Radiation Sources	Unusual Occurrences	<b>Discussion</b>
10/11/2016 <b>Thursday</b>	Practical Demonstration <b>(Inverse Square Law &amp; Radiation Shielding)</b>			Practical Demonstration <b>(Radiation Monitoring Instruments)</b>	
11/11/2016 <b>Friday</b>	Types of Nucleonic Gauges <b>(1)</b>	Types of Nucleonic Gauges <b>(2)</b>	Safety Standards for Design of Nucleonic Gauges <b>(AERB)</b>	Regulatory Aspects of Radiation Safety <b>(AERB)</b>	Discussion <b>(AERB)</b> Forms & Procedures
12/11/2016 <b>Saturday</b>	Written Examination <b>09:30 - 11:00 hrs</b>	Viva-Voce <b>(11:30 - 16:30 hrs)</b>			<b>Concluding Session</b> <b>17:00 hrs</b>

**Course Director:** **Dr. T. Palani Selvam, Head, CRP & QAS, RP&AD, BARC**

**Faculty:**

<b>1. Shri Sridhar Sahoo,</b>	<b>SO/E, RP&amp;AD, BARC, Mumbai</b>
<b>2. Shri R. S. Vishwakarma,</b>	<b>SO/E, RP &amp; AD, BARC, Mumbai</b>
<b>3. Shri Ravi Chilkulwar,</b>	<b>SO/D, RP &amp; AD, BARC, Mumbai</b>
<b>4. Shri Ajit Singh,</b>	<b>SO/D, RSD, AERB (NRRRC, New Delhi)</b>

Sd/-  
**(Dr. D. Datta)**  
 Head, RP&AD